

North Central Wisconsin Projections, 2005-2007
Detailed Occupational Trends

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
00-0000	Total, All Occupations	200,190	203,940	3,750	1.87%	1,880	4,980	6,860		\$32,998	\$8.16	\$19.72
11-0000	Management Occupations	6,950	7,110	160	2.30%	80	120	200		\$74,633	\$16.54	\$45.55
11-1011	Chief Executives	310	310	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$142,388	\$39.97	\$82.70
11-1021	General and Operations Managers	1,940	1,980	40	2.06%	20	30	50	Bachelor's or higher degree, plus work exp	\$81,796	\$20.12	\$48.93
11-1031	Legislators	450	440	-10	-2.22%	<5	10	10	Bachelor's or higher degree, plus work exp	\$15,950	\$5.83	\$8.59
11-2011	Advertising and Promotions Managers	50	60	10	20.00%	10	<5	10	Bachelor's or higher degree, plus work exp	\$66,784	\$21.22	\$37.55
11-2021	Marketing Managers	100	100	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$98,480	\$27.26	\$57.39
11-2022	Sales Managers	290	300	10	3.45%	10	10	20	Bachelor's or higher degree, plus work exp	\$95,483	\$25.65	\$56.03
11-2031	Public Relations Managers	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$81,636	\$19.58	\$49.08
11-3011	Administrative Services Managers	220	220	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$68,028	\$22.09	\$38.01
11-3021	Computer and Information Systems Managers	280	290	10	3.57%	10	10	20	Bachelor's or higher degree, plus work exp	\$89,884	\$26.41	\$51.61
11-3031	Financial Managers	380	380	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$96,947	\$27.93	\$55.95
11-3041	Compensation and Benefits Managers	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$74,858	\$20.47	\$43.75
11-3042	Training and Development Managers	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$82,294	\$22.97	\$47.86
11-3049	Human Resources Managers, All Other	60	60	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$92,309	\$28.43	\$52.35
11-3051	Industrial Production Managers	360	360	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$74,062	\$21.02	\$42.90
11-3061	Purchasing Managers	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$76,301	\$23.63	\$43.21
11-3071	Transportation, Storage, and Distribution Managers	110	110	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$79,196	\$21.74	\$46.24
11-9021	Construction Managers	130	140	10	7.69%	10	<5	10	Bachelor's degree	\$73,430	\$23.40	\$41.25
11-9031	Education Administrators, Preschool and Child Care Center/Program	50	60	10	20.00%	10	<5	10	Bachelor's or higher degree, plus work exp			
11-9032	Education Administrators, Elementary and Secondary School	200	210	10	5.00%	10	10	20	Bachelor's or higher degree, plus work exp	\$72,577		
11-9033	Education Administrators, Postsecondary	160	170	10	6.25%	10	<5	10	Bachelor's or higher degree, plus work exp	\$72,245	\$23.21	\$40.49
11-9039	Education Administrators, All Other	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$54,400	\$21.64	\$28.41
11-9041	Engineering Managers	170	170	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$89,334	\$28.38	\$50.23
11-9051	Food Service Managers	240	240	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$34,907	\$11.71	\$19.32
11-9061	Funeral Directors	50	60	10	20.00%	10	<5	10	Associate degree	\$74,721	\$24.22	\$41.78
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
11-9081	Lodging Managers	60	70	10	16.67%	10	<5	10	Work experience in a related occupation	\$45,055	\$12.32	\$26.33
11-9111	Medical and Health Services Managers	440	460	20	4.55%	10	10	20	Bachelor's or higher degree, plus work exp	\$71,539	\$25.13	\$39.03
11-9121	Natural Sciences Managers	20	10	-10	-50.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$82,016	\$30.71	\$43.79
11-9131	Postmasters and Mail Superintendents	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$52,104	\$20.10	\$27.52
11-9141	Property, Real Estate, and Community Association Managers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$54,525	\$15.13	\$31.76
11-9151	Social and Community Service Managers	180	190	10	5.56%	10	<5	10	Bachelor's degree	\$47,715	\$16.97	\$25.92
11-9199	Managers, All Other	380	390	10	2.63%	10	10	20	Work experience in a related occupation	\$80,858	\$24.59	\$46.02
13-0000	Business and Financial Operations Occupations	7,220	7,360	140	1.94%	70	120	190		\$47,780	\$13.60	\$27.66
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
13-1021	Purchasing Agents and Buyers, Farm Products	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$36,343	\$12.01	\$20.20
13-1022	Wholesale and Retail Buyers, Except Farm Products	190	190	0	0.00%	<5	10	10	Bachelor's degree	\$46,617	\$13.10	\$27.07
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	460	460	0	0.00%	<5	10	10	Bachelor's degree	\$43,595	\$14.22	\$24.33
13-1031	Claims Adjusters, Examiners, and Investigators	570	580	10	1.75%	10	10	20	Long-term on-the-job training	\$47,315	\$15.83	\$26.21
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	150	150	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$45,530	\$14.67	\$25.50
13-1051	Cost Estimators	340	360	20	5.88%	10	10	20	Bachelor's degree	\$52,345	\$16.58	\$29.46

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		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
13-1061	Emergency Management Specialists	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$44,480	\$17.82	\$23.17
13-1071	Employment, Recruitment, and Placement Specialists	150	160	10	6.67%	10	<5	10	Bachelor's degree	\$38,615	\$11.94	\$21.88
13-1072	Compensation, Benefits, and Job Analysis Specialists	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,146	\$16.13	\$24.49
13-1073	Training and Development Specialists	250	260	10	4.00%	10	<5	10	Bachelor's degree	\$44,116	\$14.12	\$24.76
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	570	580	10	1.75%	10	10	20	Bachelor's degree	\$24,287	\$6.06	\$14.49
13-1081	Logisticians	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,357	\$17.59	\$27.52
13-1111	Management Analysts	330	340	10	3.03%	10	<5	10	Bachelor's or higher degree, plus work exp	\$56,694	\$19.23	\$31.27
13-1121	Meeting and Convention Planners	60	70	10	16.67%	10	<5	10	Bachelor's degree	\$31,092	\$11.80	\$16.52
13-1199	Business Operations Specialists, All Other	1,290	1,340	50	3.88%	30	20	50	Bachelor's degree	\$53,559	\$15.48	\$30.88
13-2011	Accountants and Auditors	1,260	1,290	30	2.38%	20	20	40	Bachelor's degree	\$52,670	\$17.98	\$28.99
13-2021	Appraisers and Assessors of Real Estate	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$47,355	\$14.31	\$26.99
13-2031	Budget Analysts	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$60,638	\$21.23	\$33.11
13-2041	Credit Analysts	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,036	\$14.35	\$25.30
13-2051	Financial Analysts	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$61,936	\$19.00	\$35.16
13-2052	Personal Financial Advisors	110	110	0	0.00%	<5	<5	<5	Bachelor's degree	\$65,532	\$17.88	\$38.32
13-2053	Insurance Underwriters	320	320	0	0.00%	<5	10	10	Bachelor's degree	\$54,314	\$17.15	\$30.60
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2072	Loan Officers	380	380	0	0.00%	<5	10	10	Bachelor's degree	\$48,729	\$15.59	\$27.35
13-2081	Tax Examiners, Collectors, and Revenue Agents	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$49,630	\$14.06	\$28.76
13-2082	Tax Preparers	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,023	\$10.61	\$15.63
13-2099	Financial Specialists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	\$51,582	\$17.91	\$28.25
15-0000	Computer and Mathematical Occupations	3,050	3,190	140	4.59%	70	40	110		\$53,522	\$15.92	\$30.64
15-1011	Computer and Information Scientists, Research	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
15-1021	Computer Programmers	340	340	0	0.00%	<5	10	10	Bachelor's degree	\$51,259	\$15.82	\$29.06
15-1031	Computer Software Engineers, Applications	560	610	50	8.93%	30	10	40	Bachelor's degree	\$62,385	\$22.70	\$33.64
15-1032	Computer Software Engineers, Systems Software	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$67,834	\$23.79	\$37.02
15-1041	Computer Support Specialists	540	550	10	1.85%	10	10	20	Associate degree	\$35,177	\$11.73	\$19.50
15-1051	Computer Systems Analysts	700	720	20	2.86%	10	10	20	Bachelor's degree	\$60,804	\$21.75	\$32.98
15-1061	Database Administrators	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$70,510	\$20.97	\$40.36
15-1071	Network and Computer Systems Administrators	280	300	20	7.14%	10	<5	10	Bachelor's degree	\$53,918	\$18.06	\$29.85
15-1081	Network Systems and Data Communications Analysts	190	210	20	10.53%	10	<5	10	Bachelor's degree	\$48,081	\$15.69	\$26.83
15-1099	Computer Specialists, All Other	90	90	0	0.00%	<5	<5	<5	Associate degree	\$39,223	\$12.21	\$22.18
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree			
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree			
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	<5	<5	<5	Master's degree			
17-0000	Architecture and Engineering Occupations	2,270	2,300	30	1.32%	20	50	70		\$50,450	\$16.16	\$28.30
17-1011	Architects, Except Landscape and Naval	*	*	*	*	<5	<5	<5	Bachelor's degree	\$54,465	\$22.95	\$27.80
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1021	Cartographers and Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1022	Surveyors	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,288	\$14.70	\$20.98
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2041	Chemical Engineers	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$64,636	\$27.37	\$32.93
17-2051	Civil Engineers	190	200	10	5.26%	10	<5	10	Bachelor's degree	\$58,227	\$24.12	\$29.93
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2071	Electrical Engineers	170	170	0	0.00%	<5	<5	<5	Bachelor's degree	\$68,966	\$25.28	\$37.09
17-2072	Electronics Engineers, Except Computer	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$59,451	\$23.91	\$30.92

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17-2081	Environmental Engineers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$57,673	\$19.94	\$31.62
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	10	10	0	0.00%	<5	<5	<5	Bachelor's degree	\$56,557	\$21.15	\$30.21
17-2112	Industrial Engineers	250	260	10	4.00%	10	10	20	Bachelor's degree	\$60,625	\$22.43	\$32.51
17-2131	Materials Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2141	Mechanical Engineers	330	340	10	3.03%	10	10	20	Bachelor's degree	\$57,338	\$19.08	\$31.81
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2161	Nuclear Engineers	0	0	0	NA	<5	<5	<5	Bachelor's degree			
17-2171	Petroleum Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2199	Engineers, All Other	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$71,456	\$27.56	\$37.75
17-3011	Architectural and Civil Drafters	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$38,646	\$13.17	\$21.28
17-3012	Electrical and Electronics Drafters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$43,253	\$15.06	\$23.66
17-3013	Mechanical Drafters	200	210	10	5.00%	10	10	20	Postsecondary vocational training	\$40,065	\$14.98	\$21.40
17-3019	Drafters, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$31,735	\$11.15	\$17.31
17-3021	Aerospace Engineering and Operations Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3022	Civil Engineering Technicians	100	100	0	0.00%	<5	<5	<5	Associate degree	\$41,135	\$15.97	\$21.68
17-3023	Electrical and Electronic Engineering Technicians	120	110	-10	-8.33%	<5	<5	<5	Associate degree	\$46,259	\$16.15	\$25.28
17-3024	Electro-Mechanical Technicians	*	*	*	*	10	<5	10	Associate degree			
17-3025	Environmental Engineering Technicians	20	20	0	0.00%	<5	<5	<5	Associate degree	\$42,526	\$16.23	\$22.55
17-3026	Industrial Engineering Technicians	70	70	0	0.00%	<5	<5	<5	Associate degree	\$40,348	\$15.04	\$21.57
17-3027	Mechanical Engineering Technicians	50	60	10	20.00%	10	<5	10	Associate degree	\$42,412	\$15.07	\$23.05
17-3029	Engineering Technicians, Except Drafters, All Other	60	60	0	0.00%	<5	<5	<5	Associate degree	\$46,117	\$17.50	\$24.51
17-3031	Surveying and Mapping Technicians	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,115	\$10.28	\$16.58
19-0000	Life, Physical, and Social Science Occupations	1,360	1,400	40	2.94%	20	30	50		\$51,526	\$14.60	\$29.86
19-1011	Animal Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-1012	Food Scientists and Technologists	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$47,617	\$13.17	\$27.75
19-1013	Soil and Plant Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-1021	Biochemists and Biophysicists	*	*	*	*	10	<5	10	Doctoral degree			
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1023	Zoologists and Wildlife Biologists	10	20	10	100.00%	10	<5	10	Doctoral degree	\$57,676	\$18.92	\$32.13
19-1029	Biological Scientists, All Other	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$59,706	\$19.74	\$33.19
19-1031	Conservation Scientists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$51,197	\$20.01	\$26.92
19-1032	Foresters	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,588	\$16.93	\$24.41
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree			
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1099	Life Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2031	Chemists	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$49,274	\$14.99	\$28.04
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2041	Environmental Scientists and Specialists, Including Health	50	50	0	0.00%	<5	<5	<5	Master's degree	\$48,545	\$16.04	\$26.99
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	<5	<5	<5	Master's degree			
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree			
19-2099	Physical Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree			
19-3021	Market Research Analysts	260	260	0	0.00%	<5	10	10	Master's degree	\$53,851	\$17.70	\$29.99
19-3022	Survey Researchers	0	0	0	NA	<5	<5	<5	Master's degree			
19-3031	Clinical, Counseling, and School Psychologists	210	220	10	4.76%	10	10	20	Doctoral degree	\$75,427	\$21.28	\$43.76

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19-3039	Psychologists, All Other	*	*	*	*	<5	<5	<5	Master's degree			
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree			
19-3051	Urban and Regional Planners	40	40	0	0.00%	<5	<5	<5	Master's degree	\$48,954	\$17.50	\$26.55
19-3093	Historians	0	0	0	NA	<5	<5	<5	Master's degree			
19-3099	Social Scientists and Related Workers, All Other	30	30	0	0.00%	<5	<5	<5	Master's degree	\$58,022	\$22.88	\$30.41
19-4011	Agricultural and Food Science Technicians	30	30	0	0.00%	<5	<5	<5	Associate degree	\$26,944	\$7.20	\$15.83
19-4021	Biological Technicians	60	60	0	0.00%	<5	<5	<5	Associate degree	\$34,484	\$12.92	\$18.41
19-4031	Chemical Technicians	40	40	0	0.00%	<5	<5	<5	Associate degree	\$33,481	\$11.63	\$18.33
19-4061	Social Science Research Assistants	30	30	0	0.00%	<5	<5	<5	Associate degree			
19-4091	Environmental Science and Protection Technicians, Including Health	30	30	0	0.00%	<5	<5	<5	Associate degree	\$37,561	\$10.31	\$21.93
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4093	Forest and Conservation Technicians	20	20	0	0.00%	<5	<5	<5	Associate degree	\$33,543	\$12.51	\$17.93
19-4099	Life, Physical, and Social Science Technicians, All Other	90	100	10	11.11%	10	<5	10	Associate degree	\$34,516	\$13.30	\$18.24
21-0000	Community and Social Services Occupations	4,820	4,980	160	3.32%	80	80	160		\$39,520	\$11.74	\$22.63
21-1011	Substance Abuse and Behavioral Disorder Counselors	*	*	*	*	10	10	20	Master's degree	\$47,626	\$19.31	\$24.69
21-1012	Educational, Vocational, and School Counselors	220	220	0	0.00%	<5	10	10	Master's degree	\$39,153	\$11.05	\$22.71
21-1013	Marriage and Family Therapists	70	70	0	0.00%	<5	<5	<5	Master's degree	\$47,546	\$15.74	\$26.42
21-1014	Mental Health Counselors	360	370	10	2.78%	10	10	20	Master's degree	\$47,215	\$15.00	\$26.55
21-1015	Rehabilitation Counselors	160	170	10	6.25%	10	<5	10	Master's degree	\$43,351	\$13.17	\$24.68
21-1019	Counselors, All Other	*	*	*	*	<5	<5	<5	Master's degree	\$50,369	\$13.20	\$29.72
21-1021	Child, Family, and School Social Workers	430	440	10	2.33%	10	10	20	Master's degree	\$43,213	\$15.23	\$23.55
21-1022	Medical and Public Health Social Workers	210	220	10	4.76%	10	<5	10	Master's degree	\$42,235	\$14.82	\$23.05
21-1023	Mental Health and Substance Abuse Social Workers	370	390	20	5.41%	10	10	20	Master's degree	\$41,326	\$12.15	\$23.73
21-1029	Social Workers, All Other	100	110	10	10.00%	10	<5	10	Master's degree	\$49,226	\$18.67	\$26.16
21-1091	Health Educators	90	90	0	0.00%	<5	<5	<5	Master's degree	\$36,682	\$11.62	\$20.65
21-1092	Probation Officers and Correctional Treatment Specialists	*	*	*	*	10	<5	10	Bachelor's degree			
21-1093	Social and Human Service Assistants	690	720	30	4.35%	20	10	30	Moderate-term on-the-job training	\$27,159	\$9.77	\$14.70
21-1099	Community and Social Service Specialists, All Other	180	190	10	5.56%	10	<5	10	Bachelor's degree	\$31,612	\$11.01	\$17.29
21-2011	Clergy	1,050	1,070	20	1.90%	10	20	30	Master's degree	\$39,667	\$12.28	\$22.47
21-2021	Directors, Religious Activities and Education	*	*	*	*	<5	<5	<5	Bachelor's degree			
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-0000	Legal Occupations	760	770	10	1.32%	10	10	20		\$66,559	\$14.94	\$40.53
23-1011	Lawyers	430	430	0	0.00%	<5	10	10	First professional degree	\$88,430	\$24.90	\$51.32
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1022	Arbitrators, Mediators, and Conciliators	10	10	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$51,306	\$17.03	\$28.49
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$86,269	\$24.29	\$50.07
23-2011	Paralegals and Legal Assistants	150	160	10	6.67%	10	<5	10	Associate degree	\$35,630	\$13.05	\$19.17
23-2091	Court Reporters	0	0	0	NA	<5	<5	<5	Postsecondary vocational training			
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-2093	Title Examiners, Abstractors, and Searchers	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$38,094	\$12.50	\$21.22
23-2099	Legal Support Workers, All Other	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,952	\$16.51	\$22.00
25-0000	Education, Training, and Library Occupations	9,220	9,520	300	3.25%	150	180	330		\$39,065	\$10.84	\$22.75
25-1011	Business Teachers, Postsecondary	90	90	0	0.00%	<5	<5	<5	Doctoral degree	\$65,228		
25-1021	Computer Science Teachers, Postsecondary	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$54,853		
25-1022	Mathematical Science Teachers, Postsecondary	50	50	0	0.00%	<5	<5	<5	Doctoral degree	\$54,843		
25-1031	Architecture Teachers, Postsecondary	0	0	0	NA	<5	<5	<5	Doctoral degree	\$51,233		
25-1032	Engineering Teachers, Postsecondary	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$58,758		
25-1041	Agricultural Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			

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25-1042	Biological Science Teachers, Postsecondary	40	40	0	0.00%	<5	<5	<5	Doctoral degree	\$51,729		
25-1043	Forestry and Conservation Science Teachers, Postsecondary	0	0	0	NA	<5	<5	<5	Doctoral degree	\$55,926		
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1052	Chemistry Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$58,490		
25-1053	Environmental Science Teachers, Postsecondary	0	0	0	NA	<5	<5	<5	Doctoral degree	\$61,300		
25-1054	Physics Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$53,691		
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1063	Economics Teachers, Postsecondary	10	20	10	100.00%	10	<5	10	Doctoral degree	\$61,950		
25-1064	Geography Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1066	Psychology Teachers, Postsecondary	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$56,050		
25-1067	Sociology Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$56,075		
25-1069	Social Sciences Teachers, Postsecondary, All Other	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1071	Health Specialties Teachers, Postsecondary	*	*	*	*	10	<5	10	Master's degree			
25-1072	Nursing Instructors and Teachers, Postsecondary	60	60	0	0.00%	<5	<5	<5	Doctoral degree	\$54,322		
25-1081	Education Teachers, Postsecondary	*	*	*	*	10	<5	10	Doctoral degree			
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree	\$63,601		
25-1112	Law Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1113	Social Work Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1121	Art, Drama, and Music Teachers, Postsecondary	80	90	10	12.50%	10	<5	10	Master's degree	\$48,269		
25-1122	Communications Teachers, Postsecondary	40	40	0	0.00%	<5	<5	<5	Doctoral degree	\$56,328		
25-1123	English Language and Literature Teachers, Postsecondary	60	60	0	0.00%	<5	<5	<5	Doctoral degree	\$48,785		
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1125	History Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1191	Graduate Teaching Assistants	*	*	*	*	10	<5	10	Bachelor's degree			
25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree			
25-1194	Vocational Education Teachers, Postsecondary	150	160	10	6.67%	10	<5	10	Work experience in a related occupation	\$51,032	\$15.42	\$29.09
25-1199	Postsecondary Teachers, All Other	*	*	*	*	10	<5	10	Doctoral degree			
25-2011	Preschool Teachers, Except Special Education	540	560	20	3.70%	10	10	20	Bachelor's degree	\$29,129	\$9.01	\$16.50
25-2012	Kindergarten Teachers, Except Special Education	170	170	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,094		
25-2021	Elementary School Teachers, Except Special Education	1,550	1,600	50	3.23%	30	30	60	Bachelor's degree	\$43,722		
25-2022	Middle School Teachers, Except Special and Vocational Education	790	800	10	1.27%	10	20	30	Bachelor's degree	\$42,260		
25-2023	Vocational Education Teachers, Middle School	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$53,189		
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,270	1,300	30	2.36%	20	30	50	Bachelor's degree	\$41,990		
25-2032	Vocational Education Teachers, Secondary School	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,877		

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25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	190	200	10	5.26%	10	<5	10	Bachelor's degree	\$43,091		
25-2042	Special Education Teachers, Middle School	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$41,977		
25-2043	Special Education Teachers, Secondary School	140	150	10	7.14%	10	<5	10	Bachelor's degree	\$44,726		
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$46,198	\$16.71	\$24.96
25-3021	Self-Enrichment Education Teachers	*	*	*	*	10	<5	10	Work experience in a related occupation	\$34,677	\$12.18	\$18.92
25-3099	Teachers and Instructors, All Other	560	580	20	3.57%	10	10	20	Bachelor's degree	\$28,722	\$10.18	\$15.62
25-4011	Archivists	*	*	*	*	<5	<5	<5	Master's degree			
25-4012	Curators	*	*	*	*	<5	<5	<5	Master's degree			
25-4013	Museum Technicians and Conservators	*	*	*	*	<5	<5	<5	Master's degree			
25-4021	Librarians	180	180	0	0.00%	<5	<5	<5	Master's degree	\$42,515	\$14.70	\$23.31
25-4031	Library Technicians	200	200	0	0.00%	<5	10	10	Postsecondary vocational training	\$26,922	\$9.58	\$14.62
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
25-9021	Farm and Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree			
25-9031	Instructional Coordinators	70	70	0	0.00%	<5	<5	<5	Master's degree	\$65,746	\$19.79	\$37.52
25-9041	Teacher Assistants	1,390	1,440	50	3.60%	30	30	60	Associate degree	\$22,282		
25-9099	Education, Training, and Library Workers, All Other	*	*	*	*	10	<5	10	Bachelor's degree			
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	2,300	2,350	50	2.17%	30	40	70		\$32,320	\$8.25	\$19.19
27-1011	Art Directors	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$52,217	\$9.95	\$32.68
27-1012	Craft Artists	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1014	Multi-Media Artists and Animators	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1019	Artists and Related Workers, All Other	10	20	10	100.00%	10	<5	10	Long-term on-the-job training	\$26,781	\$8.09	\$15.27
27-1021	Commercial and Industrial Designers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$60,110	\$17.95	\$34.38
27-1023	Floral Designers	120	120	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,567	\$8.58	\$11.99
27-1024	Graphic Designers	250	260	10	4.00%	10	<5	10	Bachelor's degree	\$35,893	\$10.85	\$20.46
27-1025	Interior Designers	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$28,148	\$9.35	\$15.62
27-1026	Merchandise Displayers and Window Trimmers	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,884	\$9.83	\$17.36
27-1027	Set and Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-1029	Designers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2012	Producers and Directors	40	50	10	25.00%	10	<5	10	Bachelor's or higher degree, plus work exp	\$51,254	\$14.39	\$29.77
27-2021	Athletes and Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2022	Coaches and Scouts	180	190	10	5.56%	10	<5	10	Long-term on-the-job training	\$19,128		
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	10	<5	10	Long-term on-the-job training			
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
27-2041	Music Directors and Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-2042	Musicians and Singers	230	240	10	4.35%	10	10	20	Long-term on-the-job training			
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3011	Radio and Television Announcers	90	90	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$29,191	\$7.61	\$17.25
27-3012	Public Address System and Other Announcers	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$27,965	\$9.97	\$15.18
27-3021	Broadcast News Analysts	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$30,939	\$9.97	\$17.33
27-3022	Reporters and Correspondents	60	60	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$24,845	\$9.22	\$13.31
27-3031	Public Relations Specialists	290	300	10	3.45%	10	<5	10	Bachelor's degree	\$43,491	\$12.80	\$24.96
27-3041	Editors	110	110	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,352	\$12.99	\$21.16
27-3042	Technical Writers	30	40	10	33.33%	10	<5	10	Bachelor's degree	\$42,149	\$15.65	\$22.57
27-3043	Writers and Authors	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$33,554	\$9.96	\$19.22
27-3091	Interpreters and Translators	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$33,594	\$9.17	\$19.64
27-3099	Media and Communication Workers, All Other	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$34,928	\$11.54	\$19.42

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27-4011	Audio and Video Equipment Technicians	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$43,029	\$14.18	\$23.94
27-4012	Broadcast Technicians	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$26,569	\$7.50	\$15.41
27-4014	Sound Engineering Technicians	*	*	*	*	10	<5	10	Postsecondary vocational training			
27-4021	Photographers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$27,080	\$7.06	\$16.00
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
27-4032	Film and Video Editors	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
27-4099	Media and Communication Equipment Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
29-0000	Healthcare Practitioners and Technical Occupations	11,820	12,390	570	4.82%	290	200	490		\$54,220	\$13.55	\$32.32
29-1011	Chiropractors	60	60	0	0.00%	<5	<5	<5	First professional degree	\$98,698	\$25.33	\$58.51
29-1021	Dentists, General	180	180	0	0.00%	<5	<5	<5	First professional degree	\$134,968	\$44.37	\$75.15
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree			
29-1023	Orthodontists	*	*	*	*	<5	<5	<5	First professional degree	\$195,603		
29-1024	Prosthodontists	0	0	0	NA	<5	<5	<5	First professional degree			
29-1029	Dentists, All Other Specialists	*	*	*	*	<5	<5	<5	First professional degree			
29-1031	Dietitians and Nutritionists	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$47,058	\$19.10	\$24.39
29-1041	Optometrists	30	40	10	33.33%	10	<5	10	First professional degree	\$126,386	\$33.92	\$74.19
29-1051	Pharmacists	320	330	10	3.13%	10	10	20	First professional degree	\$94,200	\$37.47	\$49.20
29-1061	Anesthesiologists	*	*	*	*	10	<5	10	First professional degree			
29-1062	Family and General Practitioners	160	170	10	6.25%	10	<5	10	First professional degree	\$174,510		
29-1063	Internists, General	130	130	0	0.00%	<5	<5	<5	First professional degree	\$180,218		
29-1064	Obstetricians and Gynecologists	20	20	0	0.00%	<5	<5	<5	First professional degree	\$191,357		
29-1065	Pediatricians, General	30	30	0	0.00%	<5	<5	<5	First professional degree	\$169,551	\$63.52	\$90.51
29-1066	Psychiatrists	*	*	*	*	<5	<5	<5	First professional degree			
29-1067	Surgeons	70	70	0	0.00%	<5	<5	<5	First professional degree			
29-1069	Physicians and Surgeons, All Other	*	*	*	*	10	<5	10	First professional degree	\$177,617		
29-1071	Physician Assistants	*	*	*	*	10	<5	10	Bachelor's degree			
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree			
29-1111	Registered Nurses	4,560	4,820	260	5.70%	130	90	220	Bachelor's degree	\$53,615	\$20.07	\$28.63
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Doctoral degree			
29-1122	Occupational Therapists	210	220	10	4.76%	10	<5	10	Master's degree	\$48,683	\$16.09	\$27.06
29-1123	Physical Therapists	290	300	10	3.45%	10	<5	10	Master's degree	\$62,244	\$23.92	\$32.93
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree			
29-1125	Recreational Therapists	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$35,657	\$10.29	\$20.57
29-1126	Respiratory Therapists	130	140	10	7.69%	10	<5	10	Associate degree	\$43,648	\$18.01	\$22.47
29-1127	Speech-Language Pathologists	150	150	0	0.00%	<5	<5	<5	Master's degree	\$50,141	\$15.33	\$28.50
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	\$56,614	\$21.65	\$30.00
29-1131	Veterinarians	70	70	0	0.00%	<5	<5	<5	First professional degree	\$60,502	\$24.62	\$31.32
29-1199	Health Diagnosing and Treating Practitioners, All Other	*	*	*	*	<5	<5	<5	First professional degree	\$49,433	\$19.37	\$25.96
29-2011	Medical and Clinical Laboratory Technologists	250	260	10	4.00%	10	10	20	Bachelor's degree	\$47,744	\$18.82	\$25.02
29-2012	Medical and Clinical Laboratory Technicians	170	180	10	5.88%	10	10	20	Associate degree	\$33,321	\$12.59	\$17.73
29-2021	Dental Hygienists	350	370	20	5.71%	10	<5	10	Associate degree	\$47,861	\$19.43	\$24.80
29-2031	Cardiovascular Technologists and Technicians	60	60	0	0.00%	<5	<5	<5	Associate degree	\$38,040	\$12.04	\$21.41
29-2032	Diagnostic Medical Sonographers	70	70	0	0.00%	<5	<5	<5	Associate degree	\$63,158	\$25.55	\$32.77
29-2033	Nuclear Medicine Technologists	30	30	0	0.00%	<5	<5	<5	Associate degree	\$60,079	\$24.39	\$31.13
29-2034	Radiologic Technologists and Technicians	360	380	20	5.56%	10	10	20	Associate degree	\$43,894	\$16.09	\$23.61
29-2041	Emergency Medical Technicians and Paramedics	580	600	20	3.45%	10	10	20	Postsecondary vocational training	\$26,790	\$9.13	\$14.76
29-2051	Dietetic Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
29-2052	Pharmacy Technicians	370	390	20	5.41%	10	10	20	Moderate-term on-the-job training	\$24,115	\$8.84	\$12.97
29-2053	Psychiatric Technicians	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,099	\$11.18	\$14.67
29-2054	Respiratory Therapy Technicians	*	*	*	*	<5	<5	<5	Associate degree			

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		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
29-2055	Surgical Technologists	240	260	20	8.33%	10	<5	10	Postsecondary vocational training	\$37,299	\$14.73	\$19.53
29-2056	Veterinary Technologists and Technicians	*	*	*	*	<5	<5	<5	Associate degree	\$27,931	\$10.69	\$14.80
29-2061	Licensed Practical and Licensed Vocational Nurses	940	960	20	2.13%	10	20	30	Postsecondary vocational training	\$34,962	\$14.09	\$18.17
29-2071	Medical Records and Health Information Technicians	330	360	30	9.09%	20	<5	20	Associate degree	\$27,966	\$9.88	\$15.23
29-2081	Opticians, Dispensing	130	130	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$26,542	\$8.97	\$14.66
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-2099	Health Technologists and Technicians, All Other	280	300	20	7.14%	10	10	20	Postsecondary vocational training	\$36,745	\$12.38	\$20.31
29-9011	Occupational Health and Safety Specialists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$53,060	\$15.84	\$30.35
29-9012	Occupational Health and Safety Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
29-9091	Athletic Trainers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,905		
29-9099	Healthcare Practitioners and Technical Workers, All Other	140	150	10	7.14%	10	<5	10	Postsecondary vocational training	\$41,814	\$12.00	\$24.15
31-0000	Healthcare Support Occupations	5,850	6,080	230	3.93%	120	90	210		\$24,491	\$9.19	\$13.07
31-1011	Home Health Aides	780	830	50	6.41%	30	10	40	Short-term on-the-job training	\$19,334	\$7.36	\$10.26
31-1012	Nursing Aides, Orderlies, and Attendants	2,800	2,860	60	2.14%	30	30	60	Postsecondary vocational training	\$23,059	\$9.32	\$11.97
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$25,231	\$10.56	\$12.92
31-2011	Occupational Therapist Assistants	60	60	0	0.00%	<5	<5	<5	Associate degree	\$37,064	\$15.28	\$19.09
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-2021	Physical Therapist Assistants	100	110	10	10.00%	10	<5	10	Associate degree	\$37,560	\$14.46	\$19.85
31-2022	Physical Therapist Aides	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,293	\$8.93	\$12.33
31-9011	Massage Therapists	*	*	*	*	10	<5	10	Postsecondary vocational training			
31-9091	Dental Assistants	410	440	30	7.32%	20	10	30	Moderate-term on-the-job training	\$27,583	\$11.03	\$14.38
31-9092	Medical Assistants	630	680	50	7.94%	30	10	40	Moderate-term on-the-job training	\$27,152	\$10.81	\$14.17
31-9093	Medical Equipment Preparers	90	100	10	11.11%	10	<5	10	Short-term on-the-job training	\$27,060	\$9.79	\$14.62
31-9094	Medical Transcriptionists	300	310	10	3.33%	10	10	20	Postsecondary vocational training	\$28,337	\$11.37	\$14.75
31-9095	Pharmacy Aides	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,884	\$9.08	\$13.40
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,415	\$7.42	\$10.29
31-9099	Healthcare Support Workers, All Other	*	*	*	*	10	10	20	Short-term on-the-job training	\$25,843	\$10.65	\$13.31
33-0000	Protective Service Occupations	3,500	3,560	60	1.71%	30	110	140		\$29,963	\$8.23	\$17.49
33-1011	First-Line Supervisors/Managers of Correctional Officers	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$51,944	\$20.16	\$27.38
33-1012	First-Line Supervisors/Managers of Police and Detectives	100	100	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$58,048	\$23.93	\$29.90
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	\$36,095	\$7.45	\$22.31
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$45,327	\$15.61	\$24.88
33-2011	Fire Fighters	630	650	20	3.17%	10	20	30	Long-term on-the-job training	\$23,010	\$7.50	\$12.84
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-3011	Bailiffs	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,705	\$9.32	\$11.72
33-3012	Correctional Officers and Jailers	370	370	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$35,242	\$13.72	\$18.56
33-3021	Detectives and Criminal Investigators	120	130	10	8.33%	10	<5	10	Work experience in a related occupation	\$47,848	\$19.47	\$24.77
33-3031	Fish and Game Wardens	*	*	*	*	<5	<5	<5	Associate degree			
33-3041	Parking Enforcement Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
33-3051	Police and Sheriff's Patrol Officers	900	920	20	2.22%	10	20	30	Long-term on-the-job training	\$40,874	\$14.95	\$22.00
33-9011	Animal Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-9021	Private Detectives and Investigators	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$21,643	\$5.85	\$12.68
33-9031	Gaming Surveillance Officers and Gaming Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-9032	Security Guards	720	730	10	1.39%	10	20	30	Short-term on-the-job training	\$21,264	\$7.97	\$11.35
33-9091	Crossing Guards	130	140	10	7.69%	10	10	20	Short-term on-the-job training	\$21,541	\$7.89	\$11.59

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33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	180	180	0	0.00%	<5	20	20	Short-term on-the-job training	\$14,448	\$5.93	\$7.45
33-9099	Protective Service Workers, All Other	100	100	0	0.00%	<5	10	10	Short-term on-the-job training	\$31,696	\$10.72	\$17.50
35-0000	Food Preparation and Serving Related Occupations	16,380	16,840	460	2.81%	230	790	1,020		\$17,048	\$5.92	\$9.34
35-1011	Chefs and Head Cooks	240	250	10	4.17%	10	10	20	Postsecondary vocational training	\$29,079	\$9.54	\$16.20
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,060	1,090	30	2.83%	20	30	50	Work experience in a related occupation	\$26,097	\$8.53	\$14.55
35-2011	Cooks, Fast Food	720	740	20	2.78%	10	30	40	Short-term on-the-job training	\$16,297	\$6.43	\$8.54
35-2012	Cooks, Institution and Cafeteria	600	600	0	0.00%	<5	20	20	Long-term on-the-job training	\$22,430	\$8.34	\$12.01
35-2013	Cooks, Private Household	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
35-2014	Cooks, Restaurant	930	960	30	3.23%	20	40	60	Long-term on-the-job training	\$18,100	\$7.32	\$9.39
35-2015	Cooks, Short Order	360	360	0	0.00%	<5	10	10	Short-term on-the-job training	\$17,409	\$7.29	\$8.91
35-2019	Cooks, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
35-2021	Food Preparation Workers	1,090	1,130	40	3.67%	20	50	70	Short-term on-the-job training	\$18,797	\$6.92	\$10.09
35-3011	Bartenders	1,680	1,720	40	2.38%	20	70	90	Short-term on-the-job training	\$16,688	\$6.38	\$8.84
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	3,620	3,730	110	3.04%	60	200	260	Short-term on-the-job training	\$15,043	\$5.94	\$7.88
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	430	450	20	4.65%	10	50	60	Short-term on-the-job training	\$15,364	\$6.07	\$8.04
35-3031	Waiters and Waitresses	3,300	3,410	110	3.33%	60	190	250	Short-term on-the-job training	\$15,400	\$5.90	\$8.16
35-3041	Food Servers, Nonrestaurant	340	340	0	0.00%	<5	20	20	Short-term on-the-job training	\$17,918	\$5.79	\$10.02
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	600	620	20	3.33%	10	30	40	Short-term on-the-job training	\$13,923	\$5.89	\$7.09
35-9021	Dishwashers	890	910	20	2.25%	10	40	50	Short-term on-the-job training	\$14,521	\$5.94	\$7.50
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	400	420	20	5.00%	10	20	30	Short-term on-the-job training	\$15,444	\$5.88	\$8.20
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$21,421	\$8.50	\$11.20
37-0000	Building and Grounds Cleaning and Maintenance Occupations	6,790	6,980	190	2.80%	100	130	230		\$22,707	\$7.52	\$12.62
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	260	270	10	3.85%	10	10	20	Work experience in a related occupation	\$33,990	\$11.70	\$18.66
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	120	120	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$40,205	\$15.22	\$21.39
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	3,320	3,420	100	3.01%	50	60	110	Short-term on-the-job training	\$23,202	\$8.19	\$12.64
37-2012	Maids and Housekeeping Cleaners	2,040	2,090	50	2.45%	30	40	70	Short-term on-the-job training	\$17,876	\$6.84	\$9.47
37-2019	Building Cleaning Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
37-2021	Pest Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
37-3011	Landscaping and Groundskeeping Workers	970	1,000	30	3.09%	20	20	40	Short-term on-the-job training	\$21,957	\$7.37	\$12.15
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
37-3013	Tree Trimmers and Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$26,009	\$12.04	\$12.74
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	10	<5	10	Short-term on-the-job training	\$24,260	\$6.06	\$14.47
39-0000	Personal Care and Service Occupations	4,860	5,020	160	3.29%	80	120	200		\$20,818	\$6.91	\$11.56
39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-1021	First-Line Supervisors/Managers of Personal Service Workers	180	190	10	5.56%	10	10	20	Work experience in a related occupation	\$31,283	\$11.50	\$16.81
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-2021	Nonfarm Animal Caretakers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$20,200	\$6.69	\$11.22
39-3011	Gaming Dealers	*	*	*	*	10	<5	10	Postsecondary vocational training			
39-3012	Gaming and Sports Book Writers and Runners	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3019	Gaming Service Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-3021	Motion Picture Projectionists	*	*	*	*	<5	<5	<5	Short-term on-the-job training			

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39-3031	Ushers, Lobby Attendants, and Ticket Takers	100	100	0	0.00%	<5	10	10	Short-term on-the-job training	\$12,914	\$5.88	\$6.37
39-3091	Amusement and Recreation Attendants	390	400	10	2.56%	10	10	20	Short-term on-the-job training	\$16,903	\$6.08	\$9.15
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$16,796	\$5.92	\$9.15
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-4011	Embalmers	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training			
39-4021	Funeral Attendants	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,545	\$8.51	\$14.17
39-5011	Barbers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	570	590	20	3.51%	10	10	20	Postsecondary vocational training	\$23,634	\$6.52	\$13.78
39-5092	Manicurists and Pedicurists	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-5094	Skin Care Specialists	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-6011	Baggage Porters and Bellhops	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6021	Tour Guides and Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-9011	Child Care Workers	1,010	1,040	30	2.97%	20	30	50	Short-term on-the-job training	\$16,376	\$6.02	\$8.80
39-9021	Personal and Home Care Aides	1,040	1,100	60	5.77%	30	20	50	Short-term on-the-job training	\$19,188	\$8.06	\$9.81
39-9031	Fitness Trainers and Aerobics Instructors	310	310	0	0.00%	<5	10	10	Postsecondary vocational training	\$19,404	\$7.24	\$10.37
39-9032	Recreation Workers	510	510	0	0.00%	<5	10	10	Bachelor's degree	\$21,691	\$7.27	\$12.01
39-9041	Residential Advisors	60	70	10	16.67%	10	<5	10	Moderate-term on-the-job training	\$30,306	\$9.85	\$16.93
39-9099	Personal Care and Service Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$20,196	\$9.40	\$9.87
41-0000	Sales and Related Occupations	18,190	18,410	220	1.21%	110	740	850		\$27,975	\$6.81	\$16.77
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,440	1,450	10	0.69%	10	20	30	Work experience in a related occupation	\$34,363	\$10.80	\$19.38
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	300	300	0	0.00%	<5	10	10	Work experience in a related occupation	\$66,908	\$17.75	\$39.37
41-2011	Cashiers	5,140	5,140	0	0.00%	<5	330	330	Short-term on-the-job training	\$16,147	\$6.13	\$8.58
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
41-2021	Counter and Rental Clerks	520	530	10	1.92%	10	20	30	Short-term on-the-job training	\$17,477	\$5.81	\$9.70
41-2022	Parts Salespersons	390	380	-10	-2.56%	<5	10	10	Moderate-term on-the-job training	\$26,272	\$8.36	\$14.77
41-2031	Retail Salespersons	5,790	5,900	110	1.90%	60	230	290	Short-term on-the-job training	\$22,325	\$6.82	\$12.69
41-3011	Advertising Sales Agents	170	170	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,466	\$10.52	\$21.76
41-3021	Insurance Sales Agents	530	530	0	0.00%	<5	10	10	Bachelor's degree	\$48,940	\$9.41	\$30.59
41-3031	Securities, Commodities, and Financial Services Sales Agents	150	160	10	6.67%	10	<5	10	Bachelor's degree	\$63,006	\$15.71	\$37.58
41-3041	Travel Agents	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$24,346	\$9.54	\$12.79
41-3099	Sales Representatives, Services, All Other	*	*	*	*	10	10	20	Moderate-term on-the-job training	\$42,061	\$12.20	\$24.23
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	330	340	10	3.03%	10	10	20	Moderate-term on-the-job training	\$55,894	\$15.18	\$32.72
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,140	2,200	60	2.80%	30	60	90	Moderate-term on-the-job training	\$52,271	\$13.87	\$30.76
41-9011	Demonstrators and Product Promoters	120	120	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,641	\$7.90	\$12.38
41-9012	Models	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
41-9021	Real Estate Brokers	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$44,813	\$12.21	\$26.21
41-9022	Real Estate Sales Agents	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$50,570	\$11.57	\$30.68
41-9031	Sales Engineers	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$72,823	\$24.50	\$40.27
41-9041	Telemarketers	*	*	*	*	<5	10	10	Short-term on-the-job training	\$22,279	\$7.83	\$12.15

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41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
41-9099	Sales and Related Workers, All Other	180	180	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,065	\$10.08	\$19.52
43-0000	Office and Administrative Support Occupations	34,100	34,210	110	0.32%	60	810	870		\$26,994	\$8.66	\$15.14
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,820	1,840	20	1.10%	10	40	50	Work experience in a related occupation	\$42,812	\$13.29	\$24.23
43-2011	Switchboard Operators, Including Answering Service	300	290	-10	-3.33%	<5	10	10	Short-term on-the-job training	\$22,988	\$8.81	\$12.17
43-2021	Telephone Operators	20	10	-10	-50.00%	<5	<5	<5	Short-term on-the-job training			
43-2099	Communications Equipment Operators, All Other	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			
43-3011	Bill and Account Collectors	370	380	10	2.70%	10	10	20	Short-term on-the-job training	\$27,033	\$10.35	\$14.32
43-3021	Billing and Posting Clerks and Machine Operators	850	850	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$26,846	\$10.37	\$14.18
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,070	3,090	20	0.65%	10	50	60	Moderate-term on-the-job training	\$26,847	\$8.63	\$15.05
43-3041	Gaming Cage Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-3051	Payroll and Timekeeping Clerks	310	320	10	3.23%	10	10	20	Moderate-term on-the-job training	\$28,785	\$10.15	\$15.68
43-3061	Procurement Clerks	110	110	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$30,087	\$11.88	\$15.76
43-3071	Tellers	940	940	0	0.00%	<5	50	50	Short-term on-the-job training	\$21,391	\$8.65	\$11.10
43-4011	Brokerage Clerks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$42,230	\$10.85	\$25.03
43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-4031	Court, Municipal, and License Clerks	120	130	10	8.33%	10	<5	10	Short-term on-the-job training	\$36,647	\$13.69	\$19.58
43-4041	Credit Authorizers, Checkers, and Clerks	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$31,168	\$11.07	\$16.94
43-4051	Customer Service Representatives	3,300	3,390	90	2.73%	50	50	100	Moderate-term on-the-job training	\$27,439	\$8.92	\$15.33
43-4061	Eligibility Interviewers, Government Programs	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,898	\$12.55	\$16.01
43-4071	File Clerks	330	310	-20	-6.06%	<5	10	10	Short-term on-the-job training	\$23,417	\$8.66	\$12.56
43-4081	Hotel, Motel, and Resort Desk Clerks	460	480	20	4.35%	10	20	30	Short-term on-the-job training	\$19,051	\$7.21	\$10.13
43-4111	Interviewers, Except Eligibility and Loan	300	310	10	3.33%	10	10	20	Short-term on-the-job training	\$25,592	\$9.98	\$13.47
43-4121	Library Assistants, Clerical	*	*	*	*	<5	10	10	Short-term on-the-job training	\$19,727	\$5.91	\$11.27
43-4131	Loan Interviewers and Clerks	250	240	-10	-4.00%	<5	<5	<5	Short-term on-the-job training	\$26,842	\$10.98	\$13.87
43-4141	New Accounts Clerks	110	110	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$26,295	\$12.04	\$12.94
43-4151	Order Clerks	1,130	1,120	-10	-0.88%	<5	30	30	Short-term on-the-job training	\$21,862	\$7.78	\$11.87
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	250	260	10	4.00%	10	10	20	Short-term on-the-job training	\$31,219	\$10.95	\$17.04
43-4171	Receptionists and Information Clerks	1,760	1,810	50	2.84%	30	50	80	Short-term on-the-job training	\$22,219	\$8.68	\$11.68
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$22,187	\$7.76	\$12.12
43-4199	Information and Record Clerks, All Other	340	330	-10	-2.94%	<5	10	10	Short-term on-the-job training	\$27,570	\$8.60	\$15.58
43-5011	Cargo and Freight Agents	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,455	\$8.46	\$17.01
43-5021	Couriers and Messengers	210	210	0	0.00%	<5	10	10	Short-term on-the-job training	\$34,682	\$9.47	\$20.28
43-5031	Police, Fire, and Ambulance Dispatchers	120	130	10	8.33%	10	<5	10	Moderate-term on-the-job training	\$32,649	\$13.14	\$16.98
43-5032	Dispatchers, Except Police, Fire, and Ambulance	300	300	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$30,336	\$10.29	\$16.73
43-5041	Meter Readers, Utilities	60	50	-10	-16.67%	<5	<5	<5	Short-term on-the-job training	\$35,751	\$10.37	\$20.60
43-5051	Postal Service Clerks	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$47,431	\$19.86	\$24.27
43-5052	Postal Service Mail Carriers	500	500	0	0.00%	<5	20	20	Short-term on-the-job training	\$41,980	\$14.50	\$23.02
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	270	270	0	0.00%	<5	10	10	Short-term on-the-job training	\$41,985	\$14.68	\$22.94
43-5061	Production, Planning, and Expediting Clerks	530	530	0	0.00%	<5	10	10	Short-term on-the-job training	\$36,899	\$12.38	\$20.42
43-5071	Shipping, Receiving, and Traffic Clerks	1,180	1,180	0	0.00%	<5	20	20	Short-term on-the-job training	\$26,596	\$8.79	\$14.79
43-5081	Stock Clerks and Order Fillers	2,540	2,490	-50	-1.97%	<5	130	130	Short-term on-the-job training	\$20,279	\$6.61	\$11.32
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	150	150	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$28,458	\$10.25	\$15.40
43-6011	Executive Secretaries and Administrative Assistants	2,070	2,100	30	1.45%	20	40	60	Moderate-term on-the-job training	\$31,812	\$11.28	\$17.30
43-6012	Legal Secretaries	230	230	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$32,356	\$12.32	\$17.17
43-6013	Medical Secretaries	510	530	20	3.92%	10	10	20	Postsecondary vocational training	\$25,447	\$10.09	\$13.31

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43-6014	Secretaries, Except Legal, Medical, and Executive	2,960	2,930	-30	-1.01%	<5	50	50	Moderate-term on-the-job training	\$26,283	\$9.53	\$14.19
43-9011	Computer Operators	160	150	-10	-6.25%	<5	<5	<5	Moderate-term on-the-job training	\$30,046	\$10.83	\$16.25
43-9021	Data Entry Keyers	380	370	-10	-2.63%	<5	10	10	Moderate-term on-the-job training	\$24,699	\$9.33	\$13.15
43-9022	Word Processors and Typists	200	190	-10	-5.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,785	\$11.39	\$15.78
43-9031	Desktop Publishers	40	50	10	25.00%	10	<5	10	Postsecondary vocational training	\$30,554	\$11.84	\$16.11
43-9041	Insurance Claims and Policy Processing Clerks	800	790	-10	-1.25%	<5	10	10	Moderate-term on-the-job training	\$27,420	\$9.73	\$14.91
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	220	210	-10	-4.55%	<5	10	10	Short-term on-the-job training	\$21,445	\$7.76	\$11.59
43-9061	Office Clerks, General	3,380	3,400	20	0.59%	10	80	90	Short-term on-the-job training	\$22,970	\$7.74	\$12.70
43-9071	Office Machine Operators, Except Computer	110	100	-10	-9.09%	<5	<5	<5	Short-term on-the-job training	\$26,700	\$9.76	\$14.37
43-9081	Proofreaders and Copy Markers	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,024	\$10.13	\$12.98
43-9111	Statistical Assistants	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
43-9199	Office and Administrative Support Workers, All Other	480	480	0	0.00%	<5	10	10	Short-term on-the-job training	\$24,664	\$9.28	\$13.15
45-0000	Farming, Fishing, and Forestry Occupations	330	330	0	0.00%	<5	10	10		\$26,778	\$8.14	\$15.24
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$52,605	\$15.90	\$29.99
45-2011	Agricultural Inspectors	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$34,284	\$14.58	\$17.43
45-2021	Animal Breeders	0	0	0	NA	<5	<5	<5	Associate Degree			
45-2041	Graders and Sorters, Agricultural Products	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$21,910	\$6.96	\$12.32
45-2091	Agricultural Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$18,817	\$6.34	\$10.40
45-2093	Farmworkers, Farm and Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$16,839	\$6.58	\$8.86
45-2099	Agricultural Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
45-3011	Fishers and Related Fishing Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4011	Forest and Conservation Workers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,067	\$9.55	\$14.02
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,963	\$14.43	\$15.12
45-4022	Logging Equipment Operators	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,717	\$10.02	\$14.26
45-4023	Log Graders and Scalers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,008	\$12.08	\$15.60
45-4029	Logging Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-0000	Construction and Extraction Occupations	8,480	8,770	290	3.42%	150	150	300		\$38,029	\$12.30	\$21.27
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	570	590	20	3.51%	10	10	20	Work experience in a related occupation	\$53,757	\$19.42	\$29.06
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2021	Brickmasons and Blockmasons	160	170	10	6.25%	10	<5	10	Long-term on-the-job training	\$42,572	\$16.78	\$22.31
47-2022	Stonemasons	*	*	*	*	10	<5	10	Long-term on-the-job training			
47-2031	Carpenters	2,010	2,090	80	3.98%	40	30	70	Long-term on-the-job training	\$35,663	\$13.55	\$18.94
47-2041	Carpet Installers	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,798	\$12.71	\$20.18
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$34,019	\$15.53	\$16.77
47-2043	Floor Sanders and Finishers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-2044	Tile and Marble Setters	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2051	Cement Masons and Concrete Finishers	290	300	10	3.45%	10	10	20	Moderate-term on-the-job training	\$31,908	\$11.24	\$17.39
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2061	Construction Laborers	960	980	20	2.08%	10	10	20	Moderate-term on-the-job training	\$31,931	\$10.82	\$17.62
47-2071	Paving, Surfacing, and Tamping Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2073	Operating Engineers and Other Construction Equipment Operators	570	590	20	3.51%	10	20	30	Moderate-term on-the-job training	\$35,464	\$10.84	\$20.15
47-2081	Drywall and Ceiling Tile Installers	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,023	\$10.06	\$18.79
47-2082	Tapers	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,912	\$11.23	\$20.28
47-2111	Electricians	930	950	20	2.15%	10	20	30	Long-term on-the-job training	\$47,768	\$17.13	\$25.88
47-2121	Glaziers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			

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47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2132	Insulation Workers, Mechanical	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
47-2141	Painters, Construction and Maintenance	200	200	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,179	\$9.25	\$17.86
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2151	Pipelayers	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$54,124	\$21.39	\$28.33
47-2152	Plumbers, Pipefitters, and Steamfitters	610	630	20	3.28%	10	10	20	Long-term on-the-job training	\$49,868	\$17.23	\$27.35
47-2161	Plasterers and Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	10	<5	10	Long-term on-the-job training			
47-2181	Roofers	160	170	10	6.25%	10	<5	10	Moderate-term on-the-job training	\$28,359	\$10.62	\$15.14
47-2211	Sheet Metal Workers	370	390	20	5.41%	10	10	20	Long-term on-the-job training	\$42,869	\$13.42	\$24.21
47-2221	Structural Iron and Steel Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,679	\$9.63	\$14.43
47-3012	Helpers--Carpenters	130	140	10	7.69%	10	10	20	Short-term on-the-job training	\$24,626	\$9.49	\$13.02
47-3013	Helpers--Electricians	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,506	\$7.97	\$10.80
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,932	\$9.77	\$15.26
47-3016	Helpers--Roofers	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,624	\$9.89	\$13.53
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-4011	Construction and Building Inspectors	80	80	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$40,660	\$13.22	\$22.71
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-4031	Fence Erectors	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-4041	Hazardous Materials Removal Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4051	Highway Maintenance Workers	430	440	10	2.33%	10	10	20	Moderate-term on-the-job training	\$32,017	\$14.22	\$15.98
47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,164	\$11.82	\$18.73
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4099	Construction and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$28,315	\$12.04	\$14.40
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5013	Service Unit Operators, Oil, Gas, and Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5021	Earth Drillers, Except Oil and Gas	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,434	\$13.64	\$19.45
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5041	Continuous Mining Machine Operators	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5042	Mine Cutting and Channeling Machine Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5051	Rock Splitters, Quarry	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5081	Helpers--Extraction Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-5099	Extraction Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-0000	Installation, Maintenance, and Repair Occupations	7,750	7,870	120	1.55%	60	170	230		\$35,508	\$10.93	\$20.14
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	620	630	10	1.61%	10	10	20	Work experience in a related occupation	\$50,389	\$16.09	\$28.29
49-2011	Computer, Automated Teller, and Office Machine Repairers	100	110	10	10.00%	10	<5	10	Postsecondary vocational training	\$34,587	\$11.36	\$19.26
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	140	130	-10	-7.14%	<5	<5	<5	Postsecondary vocational training	\$47,178	\$18.04	\$25.00
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2092	Electric Motor, Power Tool, and Related Repairers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$39,853	\$16.05	\$20.72

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49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$31,049	\$10.65	\$17.07
49-2098	Security and Fire Alarm Systems Installers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-3011	Aircraft Mechanics and Service Technicians	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$51,057	\$17.86	\$27.89
49-3021	Automotive Body and Related Repairers	240	240	0	0.00%	<5	10	10	Long-term on-the-job training	\$33,605	\$13.04	\$17.71
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3023	Automotive Service Technicians and Mechanics	1,030	1,050	20	1.94%	10	30	40	Postsecondary vocational training	\$29,817	\$8.83	\$17.09
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	510	520	10	1.96%	10	10	20	Postsecondary vocational training	\$33,153	\$12.30	\$17.76
49-3041	Farm Equipment Mechanics	100	100	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$33,001	\$12.21	\$17.69
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	150	150	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$35,561	\$13.77	\$18.76
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3051	Motorboat Mechanics	70	70	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$27,140	\$9.03	\$15.06
49-3052	Motorcycle Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$27,511	\$10.56	\$14.56
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	60	70	10	16.67%	10	<5	10	Moderate-term on-the-job training	\$25,342	\$8.63	\$13.96
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$26,629	\$9.82	\$14.29
49-3092	Recreational Vehicle Service Technicians	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$24,463	\$8.93	\$13.18
49-3093	Tire Repairers and Changers	140	140	0	0.00%	<5	10	10	Short-term on-the-job training	\$22,329	\$8.05	\$12.08
49-9011	Mechanical Door Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$39,964	\$13.82	\$21.91
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	340	360	20	5.88%	10	<5	10	Long-term on-the-job training	\$35,965	\$13.28	\$19.29
49-9031	Home Appliance Repairers	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$31,774	\$10.94	\$17.44
49-9041	Industrial Machinery Mechanics	590	590	0	0.00%	<5	10	10	Long-term on-the-job training	\$38,614	\$14.75	\$20.47
49-9042	Maintenance and Repair Workers, General	1,980	2,010	30	1.52%	20	40	60	Long-term on-the-job training	\$33,827	\$11.05	\$18.87
49-9043	Maintenance Workers, Machinery	210	210	0	0.00%	<5	10	10	Short-term on-the-job training	\$35,571	\$11.04	\$20.13
49-9044	Millwrights	210	210	0	0.00%	<5	10	10	Long-term on-the-job training	\$50,039	\$20.68	\$25.75
49-9045	Refractory Materials Repairers, Except Brickmasons	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
49-9051	Electrical Power-Line Installers and Repairers	*	*	*	*	10	<5	10	Long-term on-the-job training	\$59,026	\$24.29	\$30.42
49-9052	Telecommunications Line Installers and Repairers	140	140	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$43,286	\$14.23	\$24.10
49-9061	Camera and Photographic Equipment Repairers	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree	\$43,498	\$16.38	\$23.18
49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9069	Precision Instrument and Equipment Repairers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$29,328	\$11.70	\$15.30
49-9093	Fabric Menders, Except Garment	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9094	Locksmiths and Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
49-9098	Helpers--Installation, Maintenance, and Repair Workers	170	180	10	5.88%	10	10	20	Short-term on-the-job training	\$22,619	\$6.87	\$12.88

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49-9099	Installation, Maintenance, and Repair Workers, All Other	190	190	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,232	\$9.74	\$16.21
51-0000	Production Occupations	24,450	24,430	-20	-0.08%	<5	580	580		\$30,867	\$9.94	\$17.29
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,560	1,580	20	1.28%	10	30	40	Work experience in a related occupation	\$47,220	\$14.67	\$26.72
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-2021	Coil Winders, Tapers, and Finishers	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,058	\$8.92	\$12.89
51-2022	Electrical and Electronic Equipment Assemblers	190	190	0	0.00%	<5	10	10	Short-term on-the-job training	\$32,203	\$10.02	\$18.21
51-2023	Electromechanical Equipment Assemblers	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$35,420	\$12.37	\$19.36
51-2031	Engine and Other Machine Assemblers	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$34,206	\$12.94	\$18.20
51-2041	Structural Metal Fabricators and Fitters	290	290	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$35,683	\$14.66	\$18.40
51-2091	Fiberglass Laminators and Fabricators	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,677	\$10.97	\$13.03
51-2092	Team Assemblers	3,430	3,510	80	2.33%	40	90	130	Moderate-term on-the-job training	\$26,245	\$8.88	\$14.48
51-2099	Assemblers and Fabricators, All Other	340	340	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$24,574	\$8.78	\$13.33
51-3011	Bakers	240	250	10	4.17%	10	10	20	Long-term on-the-job training	\$20,918	\$7.54	\$11.31
51-3021	Butchers and Meat Cutters	210	210	0	0.00%	<5	10	10	Long-term on-the-job training	\$28,471	\$9.37	\$15.85
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	10	<5	10	Short-term on-the-job training	\$20,629	\$7.53	\$11.11
51-3023	Slaughterers and Meat Packers	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-3092	Food Batchmakers	260	260	0	0.00%	<5	10	10	Short-term on-the-job training	\$30,111	\$11.30	\$16.07
51-3093	Food Cooking Machine Operators and Tenders	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,596	\$8.43	\$14.97
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	350	360	10	2.86%	10	10	20	Moderate-term on-the-job training	\$32,632	\$12.39	\$17.34
51-4012	Numerical Tool and Process Control Programmers	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$34,841	\$15.39	\$17.43
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	10	10	Moderate-term on-the-job training	\$30,823	\$11.46	\$16.50
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$32,223	\$11.93	\$17.27
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	830	810	-20	-2.41%	<5	20	20	Moderate-term on-the-job training	\$30,461	\$11.66	\$16.14
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	100	90	-10	-10.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,773	\$12.30	\$16.76
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	240	240	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,642	\$9.79	\$15.76
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	130	130	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$38,130	\$12.31	\$21.34
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,283	\$9.77	\$17.68
51-4041	Machinists	700	710	10	1.43%	10	20	30	Long-term on-the-job training	\$36,058	\$11.39	\$20.31
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4052	Pourers and Casters, Metal	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-4061	Model Makers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4062	Patternmakers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4071	Foundry Mold and Coremakers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	220	220	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,391	\$10.29	\$15.33
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	230	230	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$30,832	\$11.01	\$16.73

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51-4111	Tool and Die Makers	180	180	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$42,559	\$17.21	\$22.08
51-4121	Welders, Cutters, Solderers, and Brazers	820	840	20	2.44%	10	20	30	Postsecondary vocational training	\$34,945	\$13.58	\$18.41
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	160	160	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$29,540	\$11.39	\$15.61
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,526	\$10.95	\$15.10
51-4194	Tool Grinders, Filers, and Sharpeners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$27,801	\$10.29	\$14.91
51-4199	Metal Workers and Plastic Workers, All Other	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,416	\$13.97	\$19.27
51-5011	Bindery Workers	*	*	*	*	<5	10	10	Moderate-term on-the-job training			
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-5021	Job Printers	80	80	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$32,100	\$11.57	\$17.37
51-5022	Prepress Technicians and Workers	120	110	-10	-8.33%	<5	<5	<5	Postsecondary vocational training	\$33,085	\$11.17	\$18.27
51-5023	Printing Machine Operators	420	410	-10	-2.38%	<5	10	10	Moderate-term on-the-job training	\$34,490	\$12.98	\$18.38
51-6011	Laundry and Dry-Cleaning Workers	260	270	10	3.85%	10	10	20	Moderate-term on-the-job training	\$19,912	\$7.23	\$10.75
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$15,488	\$5.98	\$8.18
51-6031	Sewing Machine Operators	290	290	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,390	\$9.63	\$12.78
51-6041	Shoe and Leather Workers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6051	Sewers, Hand	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			
51-6052	Tailors, Dressmakers, and Custom Sewers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	\$21,318	\$7.66	\$11.54
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$21,266	\$9.95	\$10.36
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	20	10	-10	-50.00%	<5	<5	<5	Moderate-term on-the-job training			
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6093	Upholsterers	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$30,115	\$10.43	\$16.50
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-7011	Cabinetmakers and Bench Carpenters	420	430	10	2.38%	10	10	20	Long-term on-the-job training	\$29,561	\$11.97	\$15.33
51-7021	Furniture Finishers	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$27,134	\$11.36	\$13.89
51-7031	Model Makers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-7032	Patternmakers, Wood	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	620	620	0	0.00%	<5	20	20	Moderate-term on-the-job training	\$26,371	\$9.63	\$14.20
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	940	930	-10	-1.06%	<5	20	20	Moderate-term on-the-job training	\$26,087	\$9.64	\$13.99
51-7099	Woodworkers, All Other	*	*	*	*	<5	10	10	Moderate-term on-the-job training			
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8012	Power Distributors and Dispatchers	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-8013	Power Plant Operators	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$47,401	\$17.93	\$25.22
51-8021	Stationary Engineers and Boiler Operators	80	80	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$45,364	\$17.10	\$24.16
51-8031	Water and Liquid Waste Treatment Plant and System Operators	*	*	*	*	<5	10	10	Long-term on-the-job training	\$36,748	\$10.03	\$21.49
51-8091	Chemical Plant and System Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			

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51-8092	Gas Plant Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8099	Plant and System Operators, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	150	150	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$33,490	\$13.13	\$17.59
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$34,941	\$12.09	\$19.15
51-9022	Grinding and Polishing Workers, Hand	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$29,707	\$10.93	\$15.96
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	310	300	-10	-3.23%	<5	10	10	Moderate-term on-the-job training	\$33,474	\$10.35	\$18.96
51-9031	Cutters and Trimmers, Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$25,790	\$9.31	\$13.94
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	370	360	-10	-2.70%	<5	10	10	Moderate-term on-the-job training	\$34,240	\$12.57	\$18.41
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	190	190	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,386	\$10.04	\$14.73
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	120	120	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,193	\$9.92	\$15.37
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,020	1,030	10	0.98%	10	20	30	Moderate-term on-the-job training	\$31,374	\$10.48	\$17.38
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
51-9081	Dental Laboratory Technicians	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$32,994	\$10.44	\$18.58
51-9082	Medical Appliance Technicians	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$38,324	\$16.60	\$19.34
51-9111	Packaging and Filling Machine Operators and Tenders	1,270	1,240	-30	-2.36%	<5	30	30	Short-term on-the-job training	\$25,867	\$9.16	\$14.07
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	360	360	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$34,688	\$12.78	\$18.62
51-9122	Painters, Transportation Equipment	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$39,069	\$15.82	\$20.26
51-9123	Painting, Coating, and Decorating Workers	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,882	\$9.03	\$13.43
51-9131	Photographic Process Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9132	Photographic Processing Machine Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-9191	Cementing and Gluing Machine Operators and Tenders	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,704	\$10.26	\$17.01
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9194	Etchers and Engravers	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$27,037	\$10.70	\$14.15
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,370	1,310	-60	-4.38%	<5	30	30	Moderate-term on-the-job training	\$40,436	\$14.56	\$21.88
51-9197	Tire Builders	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-9198	Helpers--Production Workers	1,510	1,510	0	0.00%	<5	40	40	Short-term on-the-job training	\$26,490	\$9.12	\$14.54
51-9199	Production Workers, All Other	850	810	-40	-4.71%	<5	20	20	Moderate-term on-the-job training	\$29,343	\$7.75	\$17.28
53-0000	Transportation and Material Moving Occupations	19,750	20,060	310	1.57%	160	430	590		\$29,636	\$8.21	\$17.27
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	\$32,964	\$15.12	\$16.21
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	330	340	10	3.03%	10	10	20	Work experience in a related occupation	\$39,652	\$11.41	\$22.89
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	430	440	10	2.33%	10	10	20	Work experience in a related occupation	\$49,744	\$16.31	\$27.72
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	10	<5	10	Bachelor's degree			

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53-2012	Commercial Pilots	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$85,840		
53-2021	Air Traffic Controllers	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
53-2022	Airfield Operations Specialists	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$18,099	\$5.88	\$10.11
53-3021	Bus Drivers, Transit and Intercity	190	200	10	5.26%	10	<5	10	Moderate-term on-the-job training	\$23,354	\$9.10	\$12.29
53-3022	Bus Drivers, School	820	850	30	3.66%	20	20	40	Short-term on-the-job training	\$24,233	\$8.90	\$13.03
53-3031	Driver/Sales Workers	500	510	10	2.00%	10	10	20	Short-term on-the-job training	\$26,521	\$7.85	\$15.20
53-3032	Truck Drivers, Heavy and Tractor-Trailer	5,990	6,130	140	2.34%	70	90	160	Moderate-term on-the-job training	\$38,419	\$13.24	\$21.09
53-3033	Truck Drivers, Light or Delivery Services	1,690	1,730	40	2.37%	20	10	30	Short-term on-the-job training	\$23,360	\$7.86	\$12.91
53-3041	Taxi Drivers and Chauffeurs	270	280	10	3.70%	10	<5	10	Short-term on-the-job training	\$19,409	\$7.48	\$10.26
53-3099	Motor Vehicle Operators, All Other	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,483	\$5.87	\$11.12
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-5011	Sailors and Marine Oilers	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			
53-5021	Captains, Mates, and Pilots of Water Vessels	0	0	0	NA	<5	<5	<5	Work experience in a related occupation			
53-6011	Bridge and Lock Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6021	Parking Lot Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$20,436	\$7.71	\$10.88
53-6031	Service Station Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$20,508	\$7.52	\$11.03
53-6041	Traffic Technicians	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-6099	Transportation Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-7011	Conveyor Operators and Tenders	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,388	\$9.07	\$15.22
53-7021	Crane and Tower Operators	40	50	10	25.00%	10	<5	10	Long-term on-the-job training	\$44,060	\$17.15	\$23.20
53-7031	Dredge Operators	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
53-7032	Excavating and Loading Machine and Dragline Operators	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,002	\$12.32	\$16.92
53-7033	Loading Machine Operators, Underground Mining	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
53-7041	Hoist and Winch Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7051	Industrial Truck and Tractor Operators	1,590	1,600	10	0.63%	10	30	40	Short-term on-the-job training	\$29,071	\$11.07	\$15.43
53-7061	Cleaners of Vehicles and Equipment	450	450	0	0.00%	<5	20	20	Short-term on-the-job training	\$20,149	\$6.49	\$11.29
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	4,480	4,500	20	0.45%	10	170	180	Short-term on-the-job training	\$25,000	\$7.12	\$14.47
53-7063	Machine Feeders and Offbearers	530	510	-20	-3.77%	<5	20	20	Short-term on-the-job training	\$31,152	\$8.06	\$18.43
53-7064	Packers and Packagers, Hand	1,680	1,710	30	1.79%	20	30	50	Short-term on-the-job training	\$19,236	\$6.41	\$10.67
53-7071	Gas Compressor and Gas Pumping Station Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7072	Pump Operators, Except Wellhead Pumps	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
53-7081	Refuse and Recyclable Material Collectors	120	120	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,170	\$7.17	\$12.40
53-7111	Shuttle Car Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7199	Material Moving Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$15,495	\$5.79	\$8.28

Notes:

- (1) **Employment** is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include jobs among self-employed and unpaid family workers.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾

(3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.

(4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.

Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.

Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.

Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.

Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.

Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.

Associate Degree: This degree requires two years of full-time academic work beyond high school.

Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.

Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.

Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.

First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.

Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

(5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.

(6) **Entry Level Wage** is the average of the lower third of wages.

(7) **Experienced Wage** is the average of the upper two-thirds of wages.

(8) Either a bachelor's or an associate degree are accepted in this occupations. It depends on the specifics of the position and the employer.

Information is derived using the 2005 OES Survey, 2005 QCEW and 2005 CES (3/05 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy during 2006 and 2007. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development
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